

THE STANDARD ELECTRIC TIME COMPANY

SPRINGFIELD 2, MASS.

ALL PRICES NET F.O.B. SPRINGFIELD, MASS.

Page	Item	Price 60 cycle 115V	Shpg. Wgt.	ADDITIONAL CHARGES FOR OPTIONAL FEATURES								8	9	
				1	2	3	4	5	6	7				
				25 or 50 cycle 115V	60 cycle 220V	25 or 50 cycle 220V	d-c clutch	electric reset	panel mounting	binding posts	explosion proof hsg.			6" dial
4	AC-1	\$145.00	8	\$ 6.00	For 115V 60 and 25 cycles, add \$6.00.			\$24.00	Deduct \$25.00	Standard Equipment				
6	MST-500	167.00	7	50 and 400 CYCLE Price on Application				Standard Equipment (Specify voltage)	24.00	Deduct \$25.00	Standard Equipment			
6	MST-100	167.00	7						24.00	Deduct \$25.00	Standard Equipment			
7	SYN-3P	33.00	3	\$ 6.00										
7	SYN-6P	39.00	5	6.00										
8	S-1	80.00	5	6.00	\$3.00	\$9.00	\$7.00	\$24.00	None	None	↑ PRICES ON APPLICATION ↓	↑ PRICES ON APPLICATION ↓		
8	S-1-3H-10	125.00	6	6.00	3.00	9.00	7.00	24.00	None	None				
8	S-1-3H-15	125.00	6	6.00	3.00	9.00	7.00	24.00	None	None				
8	S-1-3H-30	125.00	6	6.00	3.00	9.00	7.00	24.00	None	None				
8	S-1-3H-60	125.00	6	6.00	3.00	9.00	7.00	24.00	None	None				
9	S-60	61.00	5	6.00	3.00	9.00	7.00	24.00	None	None				
9	S-60-3H-10	105.00	6	6.00	3.00	9.00	7.00	24.00	None	None				
9	S-60-3H-30	105.00	6	6.00	3.00	9.00	7.00	24.00	None	None				
9	S-60-3H-60	105.00	6	6.00	3.00	9.00	7.00	24.00	None	None				
10	SM-60	61.00	5	6.00	3.00	9.00	7.00	24.00	None	None				
10	SM-60-3H-10	105.00	6	6.00	3.00	9.00	7.00	24.00	None	None				
10	SM-60-3H-30	105.00	6	6.00	3.00	9.00	7.00	24.00	None	None				
10	SM-60-3H-60	105.00	6	6.00	3.00	9.00	7.00	24.00	None	None				
11	S-10	61.00	5	6.00	3.00	9.00	7.00	24.00	None	None				
11	S-6	80.00	5	6.00	3.00	9.00	7.00	24.00	None	None				
12	S-100	61.00	5	6.00	3.00	9.00	7.00	24.00	None	None				
12	S-600	67.00	6	6.00	3.00	9.00	7.00	24.00	None	None				
12	S-3600	67.00	6	6.00	3.00	9.00	7.00	24.00	None	None				
12	S-36000	67.00	6	6.00	3.00	9.00	7.00	24.00	None	None				
14	SS-60	105.00	17	10.00	6.00	16.00	7.00	Standard Equipment	None	None				
14	SW-60	105.00	17	10.00	6.00	16.00	7.00	Standard Equipment	None	None				
14	SS-10	105.00	17	10.00	6.00	16.00	7.00	Standard Equipment	None	None				
14	SW-1	120.00	17	10.00	6.00	16.00	7.00	Standard Equipment	None	None				
15	LTC-10	22.00	2											
15	LTC-12	20.00	2											



Precision TIMERS

NET PRICE LIST

6 INCH TIMERS

The following models can be furnished with 6" dial. The case and mounting dimensions are the same as our SYN-6P clock, S-1, S-6, S-10, S-60, S-100 and SM-60

Prices on application

400 CYCLE OPERATION

115V 400 cycle Motors in Standard Timers

Prices on application

D-C OPERATION

D-C Motored Timers (0-1% accuracy). Uses Haydon Chronometric Motor. S-1, S-6, S-10, S-60, S-100 and SM-60 Only. Price includes d-c clutch.

\$ 195.00

SPECIAL TIMERS

Special Timers can be built to suit various applications. Please send all available information including drawings if available.

Prices on application

DISCOUNTS

Quantity discounts apply to orders of 4 or more Timers on a single order. Contact nearest Branch Office for details of discount schedule.

TERMS Standard terms on orders from accredited sources are net 30 days from date of invoice. Prices invoiced will be those in effect at time of shipment. Prices subject to change without notice.

F.O.B. POINT All prices are quoted F.O.B. factory, Springfield, Mass. Transportation charges will be prepaid and added to our invoice on parcel post shipments; collect on all other shipments.

TAXES All prices quoted are exclusive of Sales, Use, or other taxes.

RETURNED MATERIAL Credit for the return of material will not be issued unless authorization and shipping instructions have been issued by the Sales Department of The Standard Electric Time Company. If authorization is granted, Returned Material tags will be sent and credit will be issued less restocking charges and all transportation charges paid by The Standard Electric Time Company, after the returned material has been inspected and found suitable for restocking.

In Answer to your request---

we have sent you this literature that describes the products in which you are interested. In addition, we have included literature that illustrates other products which we manufacture.

The Standard Electric Time Company maintains a nationwide network of Sales Offices. If you should need more technical data than is provided in our literature or if you want specific information on prices or delivery, please feel free to phone or write to one of these offices. For your convenience, we have listed below the address and phone number of the one nearest you.

Thank you for your interest and please write us again if we can help you in any way.

THE STANDARD ELECTRIC TIME COMPANY

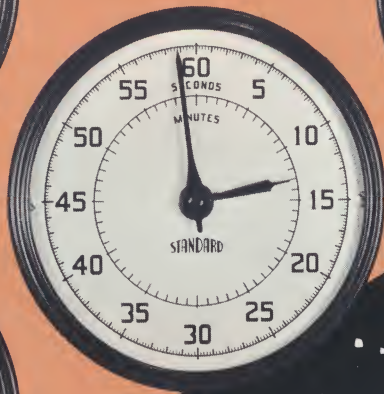
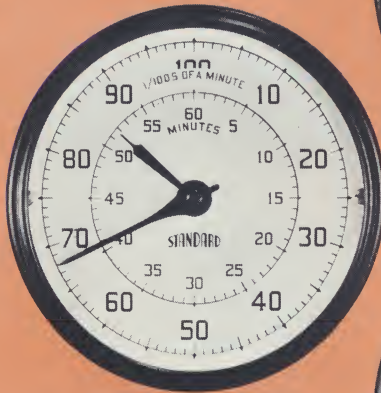
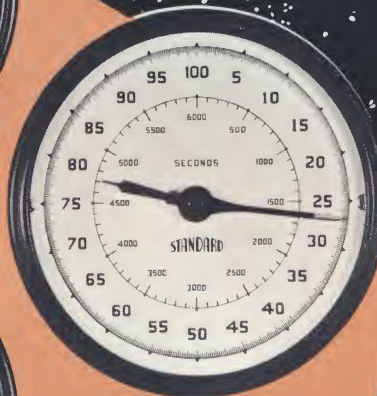
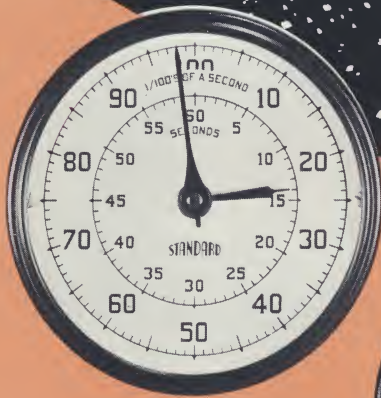
P. O. Box 115
1 Herbert Drive
Latham, New York 12110

Ronald J. Marquette
(518) ST5-6060



PRECISION TIMERS

FOR ACCURATELY MEASURING
ELAPSED TIME



THE STANDARD ELECTRIC TIME COMPANY
SPRINGFIELD, MASSACHUSETTS • SAN FRANCISCO, CALIFORNIA



Much of man's progress has been marked by his ability to measure the forces about him. He has devised means of measuring heat, light, distance, chemical reaction and other phenomena with uncanny accuracy.

For many years, The Standard Electric Time Company has concerned itself with the measurement of the fourth dimension . . . time. Since 1932, Standard has been developing and manufacturing units for the precise measurement of elapsed time. These timers are used extensively in laboratory, testing, and production work in industrial and commercial plants, governmental agencies, educational institutions—wherever close timing is a requisite. Described in this booklet are some of the many different models with various types of mountings available.

These instruments are noted for their accuracy, rugged construction, and long life. They are built for many years of hard, continuous service and require a minimum amount of attention or service.



Figure 1



Figure 2

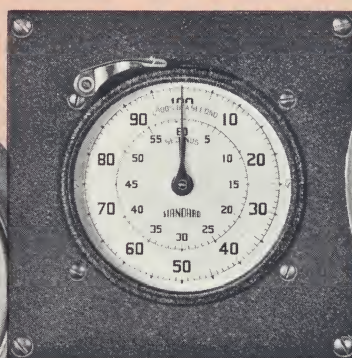


Figure 3



Figure 4

GENERAL DESCRIPTION

TYPES OF MOUNTINGS

(a) PORTABLE

All models described on pages 8 to 12 can be furnished in black bakelite cases $4\frac{1}{2}$ " x $4\frac{1}{2}$ " x $4\frac{1}{2}$ ". Other models are furnished with wood cases as illustrated by figures 5 and 6.

(b) PANEL MOUNTING

At no extra charge all models on pages 8 to 12 can be arranged for panel mounting as shown by figure 3. Details for panel mounting will be found on page 13.

(c) WALL TYPE

The large 10" dial shown by figure 4 can be furnished either surface or flush wall mounting as well as panel mounting. Mounting details will be found on page 15.

(d) EXPLOSION PROOF

Most models can be furnished in explosion proof cases when required.

THE CLUTCH

The clutch mechanism is the heart of The Standard Electric Time Company precision timer. It consists of an electro-mechanical type of unit, of unique design, which allows the timer hands to move while the clutch is energized and stops the hands when clutch is de-energized.

The operating time of the clutch at the start and stop operations is permanently compensated for and calibrated at the factory, requiring no field adjustments when operated on rated voltages.

The clutch coils of all models except the MST-100 and MST-500 are wound to operate on a-c, but may be furnished for d-c operation when so ordered.

A closer accuracy for the faster models, such as S-1 and SW-1, can be obtained with a d-c clutch as noted in the specifications under those models.

AUTOMATIC CONTROL

All timers are so constructed that time intervals may be accurately measured by connecting to control circuits.

ELECTRONIC CONTROL

Where clutch is to be operated from an electronic circuit,

a clutch is furnished for connecting directly in the plate circuit of any one of several types of tubes. Characteristics of this clutch are:

VOLTAGE: 120 d-c
RESISTANCE: 2000 ohms
CURRENT: 50 to 60 milliamperes

RESETTING MECHANISMS

All timers are regularly furnished with a manual resetting lever at the upper left hand corner of the timer (figure 1). An electric solenoid resetting mechanism, remotely controlled, can be furnished as an optional feature. Each type resets both hands to zero instantaneously, and may be operated without harm even when the hands are running.

ACCURACIES

The accuracies as listed under each model are conservative and will be maintained throughout the life of the timer.

These accuracies are checked against a Hewlett Packard No. 524-D electronic timer which in turn is checked against standard frequencies broadcast by The National Bureau of Standards.

CONNECTOR CORDS

All portable models are regularly furnished with a 5 foot cord and plug for connecting to the a-c power supply. A 3 foot cord with start and stop pendant switch is also provided. For portable models with the electric reset feature the switch is provided with an additional push-button in the end for remote resetting of the timer.

EXTERNAL CONNECTIONS

Screw terminals are provided inside the case for making the external wire connections, but binding posts on the outside back of case of the portable models can be provided in lieu of the manually operated switch and cord.

DIALS

The smaller timer model dials ($3\frac{3}{16}$ "*) are regularly furnished in satin aluminum finish; however, these may be black with white markings when so ordered. Price remains the same.

The dials for 6" timers and 10" timers as shown by figure 2 and 4 are furnished in satin aluminum only.

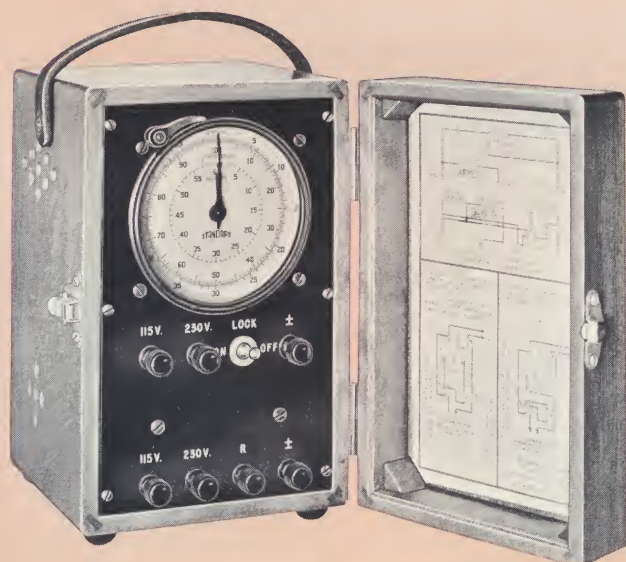


Figure 5

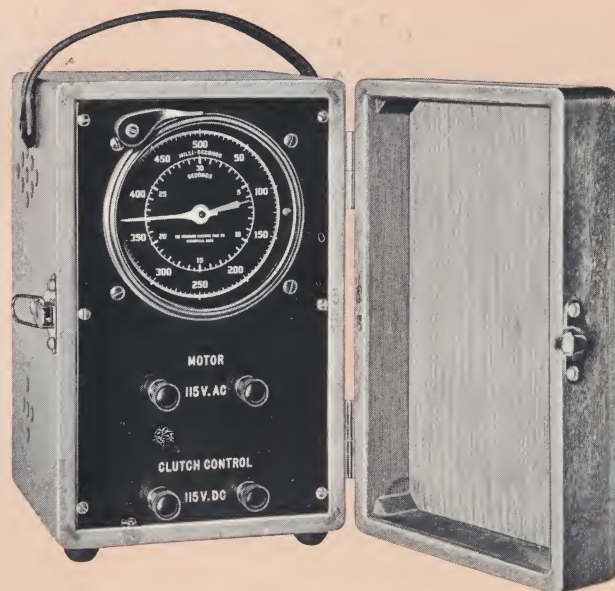


Figure 6

CYCLE COUNTER model AC-1

A portable precision standard for testing high speed relays, welding timers, process timers, and for other similar purposes.

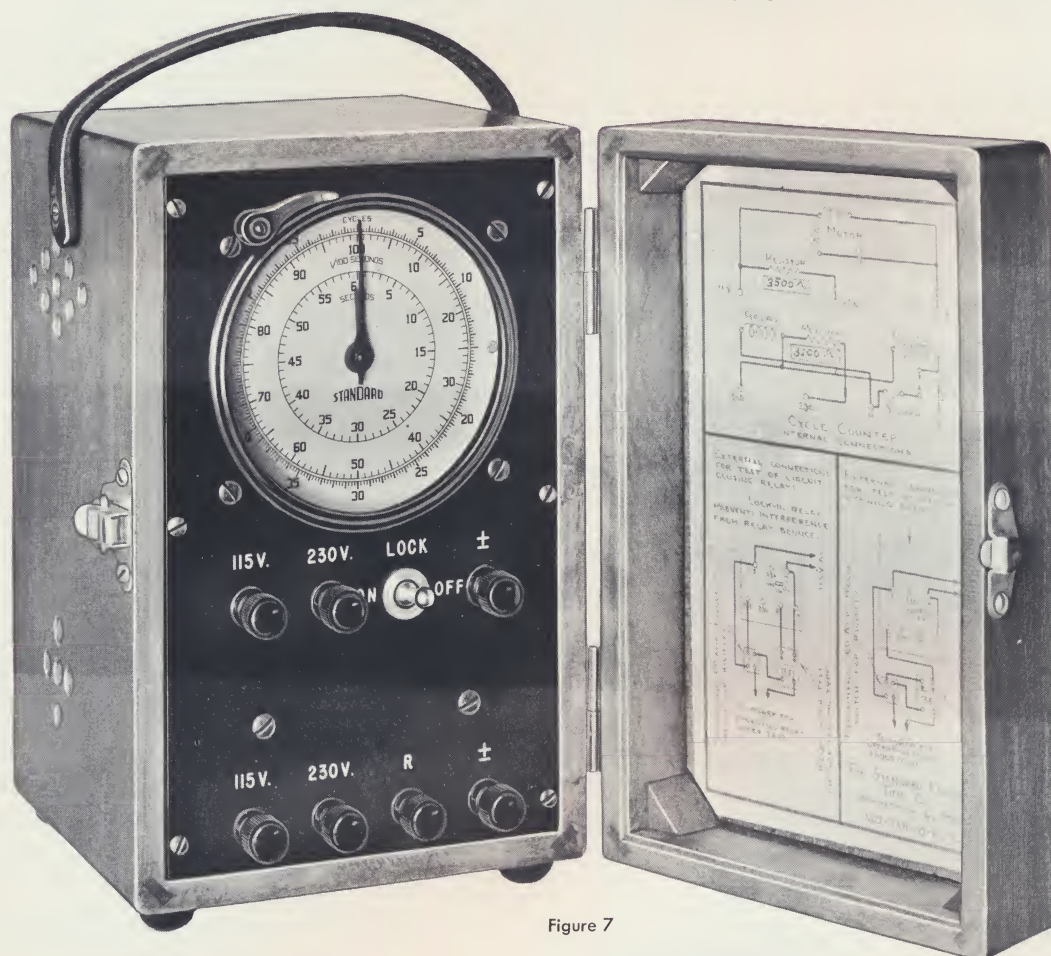


Figure 7

SPECIFICATIONS

Accuracy:..... $\pm .01$ second per operation .

Fast Hand Speed:..... 1 RPS

Totalizes:..... 60 seconds

Dial: (figure 8) $3\frac{3}{16}$ " satin aluminum only,
with 3 scales:

- (a) Outer, reading cycles to $\frac{1}{4}$ cycle
- (b) Middle, reading in hundredths of a second
- (c) Inner, reading in seconds

Case:..... Wood, $5\frac{3}{4}$ " x $8\frac{3}{4}$ " x $7\frac{1}{2}$ "
deep, walnut finish

Panel:..... Bakelite

Motor:..... 115/230V 60 cycles

Reset:..... Manual

Start & Stop Control:.. Binding posts on panel

Power Connections:.... Binding posts on panel

Clutch & Relay:..... 115/230V 60 cycles (The clutch and relay coils can be furnished for other voltages and currents—consult our Timer Engineering Department.)

Shipping Weight:..... Approx. 8 lbs.

Optional Features:.... Electric reset
Panel mounting



Figure 8

INTERNAL CONNECTIONS

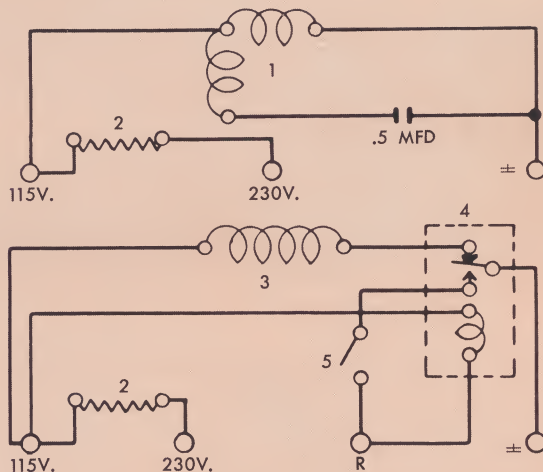


Figure 9

EXTERNAL CONNECTIONS

CIRCUIT CLOSING RELAY UNDER TEST.

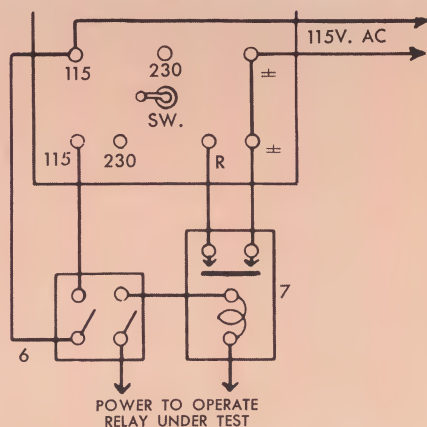


Figure 10

CIRCUIT OPENING RELAY UNDER TEST.

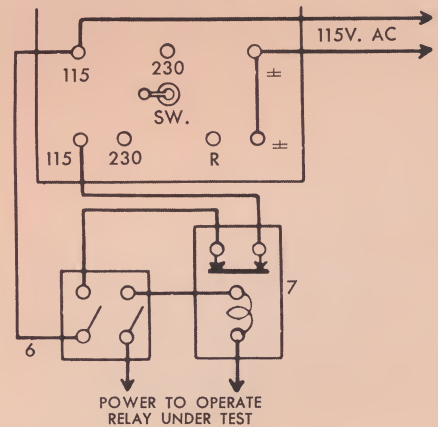


Figure 11

EXPLANATION

1. **SYNCHRONOUS MOTOR**—runs continuously.
2. **RESISTORS** to reduce 230 to 115 volts.
3. **TIMER CLUTCH**. Timer starts when clutch is energized, stops when clutch is de-energized.
4. **LOCKING RELAY**. Extra fast relay used to open clutch circuit when testing circuit closing relays. (Figure 10)
5. **LOCKING SWITCH**, electrically locks locking relay in energized position so that timer stops in first contact of relay under test. Subsequent bounces of relay under test are not recorded.
6. **HEAVY DUTY SWITCH**. A heavy duty switch is recommended (but not furnished) to insure simultaneous energization of both cycle counter clutch and coil of relay under test.
7. **RELAY UNDER TEST**.



PANEL MOUNTED CLOCKS

When time-of-day clocks are required, for panel mounting to match other instruments, we offer two models as described below. These clocks have 115V 60 cycle synchronous motors and are provided with 5" lead wires. The knob at upper left, figure 13, provides for setting.

MODEL SYN-3P CLOCK



Figure 13

This matches in design and size the panel mounted timers shown on pages 8 to 12. It can be furnished for mounting directly on a customer's panel or can be supplied already mounted on a 5 3/4" square steel panel,

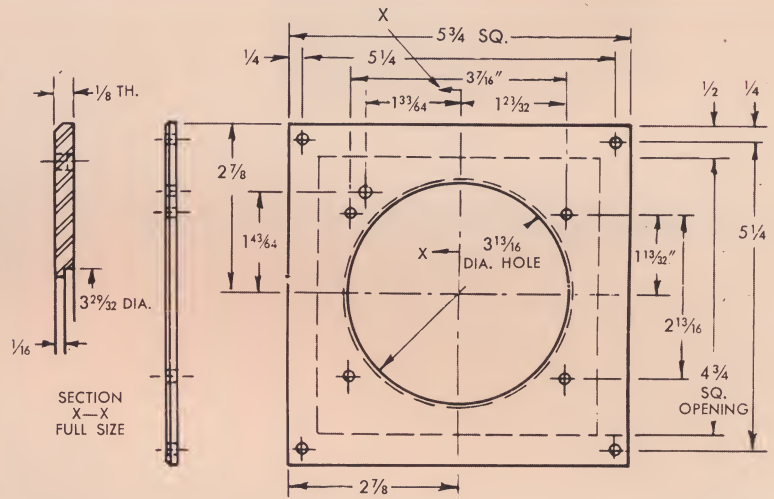


Figure 14

as shown (figure 13). This in turn to be mounted on customer's panel. The movement projects 2 7/8" back of panel.

MODEL SYN-6P CLOCK



Figure 15

This 6" dial clock comes with a cast bezel for mounting in a 7 1/2" diameter opening in customer's panel as shown by figures 15 and 16. The dial comes in satin aluminum only, as illustrated. The mounting details for 6" clocks and 6" timers is identical.

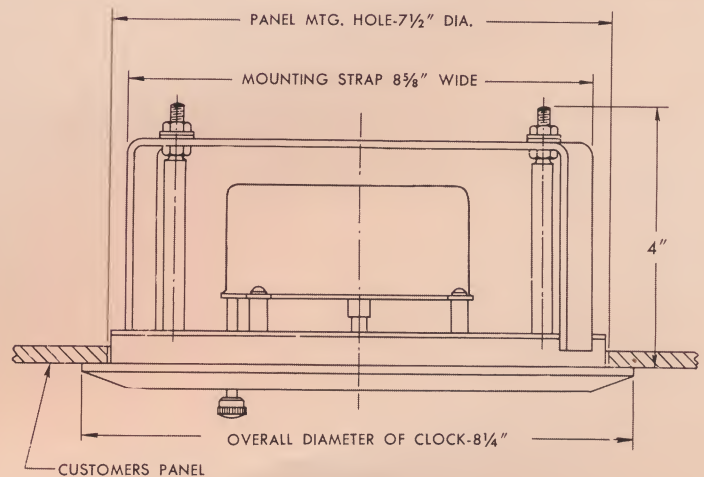


Figure 16



Figure 17

SPECIFICATIONS

The 10 timers shown on the following five pages can be furnished in bakelite cases (figure 17 above) or built for panel mounting (figure 28 far right). The following specifications and the optional features listed below apply to all 10 timers.

Dial: $3\frac{3}{16}$ "
 Voltage: 115V—60 cycles
 Start & Stop Control: . Pendant switch on 3 foot cord
 Power Connection: 5 foot cord and plug
 Reset: Manual
 Shipping Weight: Approx. 5 lbs.

OPTIONAL FEATURES

- No. 1 25 or 50 cycles—115V
- No. 2 220V—60 cycles
- No. 3 25 or 50 cycles—220V
- No. 4 d-c clutch (6, 12, 24, 48 or 120V)
- No. 5 Electric reset
- No. 6 For panel mounting (cords omitted)
- No. 7 With binding posts for automatic control, for portable models only (switch cord omitted)
- No. 8 Explosion proof housing
- No. 9 6" dial for panel mounting

NOTE: There is an additional charge for all optional features except No. 6 and No. 7.

WHEN ORDERING PLEASE SPECIFY
 PANEL OR PORTABLE MOUNTING



Figure 18

MODEL S-1

Accuracy: $\pm .01$ second with a-c clutch
 (per operation)
 $\pm .005$ second with d-c clutch
 (per operation)

Fast Hand Speed: 1 RPS
 Totalizes: 60 seconds
 Smallest Graduation:01 second
 Shipping Weight: Approx. 5 lbs.
 Optional Features: 1, 2, 3, 4, 5, 6, 7, 8, 9



Figure 19

Modified MODEL S-1

See details above

Model S-1-3H-10.....Totalizes 10 Minutes
 Model S-1-3H-15.....Totalizes 15 Minutes
 Model S-1-3H-30.....Totalizes 30 Minutes
 Model S-1-3H-60.....Totalizes 60 Minutes



Figure 20

MODEL S-60

Accuracy:..... ± 1 second per operation

Fast Hand Speed:..... 1 RPM

Totalizes:..... 60 minutes

Smallest Graduation:.. .2 second

Shipping Weight:..... Approx. 5 lbs.

Optional Features:..... 1, 2, 3, 4, 5, 6, 7, 8, 9



Figure 21

MODIFIED MODEL S-60

See details above

Model S-60-3H-10..... Totalizes 10 Hours

Model S-60-3H-30..... Totalizes 30 Hours

Model S-60-3H-60..... Totalizes 60 Hours

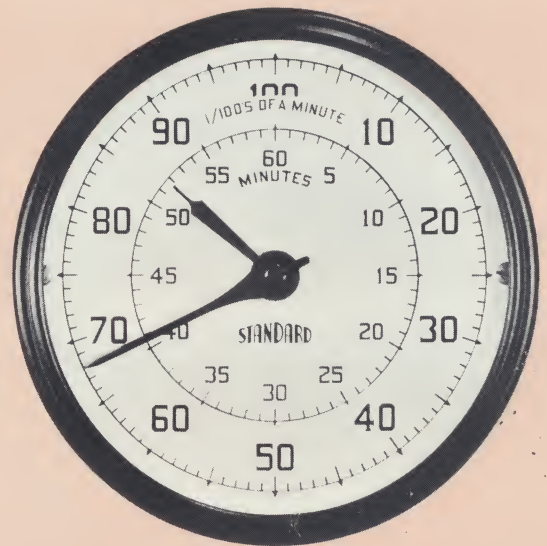


Figure 22

MODEL SM-60

Accuracy:..... $\pm .002$ minute per operation
 Fast Hand Speed:..... 1 RPM
 Totalizes:..... 60 minutes
 Smallest Graduation:.. .01 minute
 Shipping Weight:..... Approx. 5 lbs.
 Optional Features:..... 1, 2, 3, 4, 5, 6, 7, 8, 9

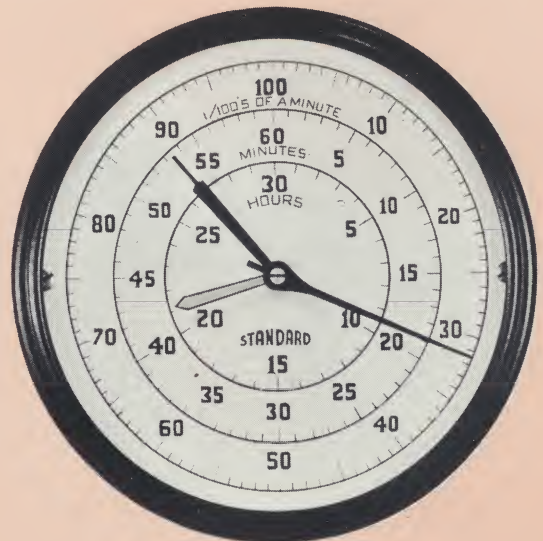


Figure 23

MODIFIED MODEL SM-60

See details above

Model SM-60-3H-10... Totalizes 10 Hours
 Model SM-60-3H-30... Totalizes 30 Hours
 Model SM-60-3H-60... Totalizes 60 Hours



Figure 24

MODEL S-6

Accuracy:..... $\pm .0002$ minute per operation
 Fast Hand Speed:..... 10 RPM
 Totalizes:..... 10 minutes
 Smallest Graduation:.. .001 minute
 Shipping Weight:..... Approx. 5 lbs.
 Optional Features:..... 1, 2, 3, 4, 5, 6, 7, 8, 9



Figure 25

MODEL S-10

Accuracy:..... $\pm .02$ second per operation
 Fast Hand Speed:..... 1 rev. in 10 seconds
 Totalizes:..... 1000 seconds
 Smallest Graduation:.. .1 second
 Shipping Weight:..... Approx. 5 lbs.
 Optional Features:..... 1, 2, 3, 4, 5, 6, 7, 8, 9

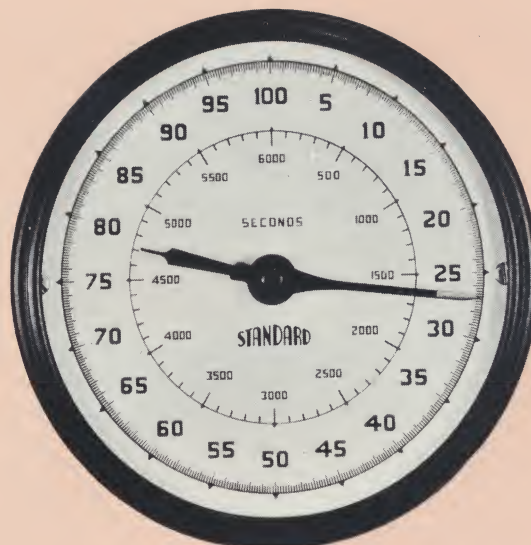


Figure 26

MODEL S-100

Accuracy:..... $\pm .1$ second per operation
 Fast Hand Speed:..... 1 revolution per 100 seconds
 Totalizes:..... 6000 seconds
 Smallest Graduation:.. .2 second
 Shipping Weight:..... Approx. 5 lbs.
 Optional Features:..... 1, 2, 3, 4, 5, 6, 7, 8, 9



Figure 27

TWO-HAND LONG INTERVAL TIMERS*

Model S-600..... Totalizes 1000 Minutes
 Model S-3600..... Totalizes 60 Hours
 Model S-36000..... Totalizes 1000 Hours

*Details upon application

TYPICAL TIMER USES

1. Testing relay operating time.
2. Testing circuit breaker operating time.
3. Testing fuse operating time.
4. Timing races (model miniature, automobile, horse, dog, etc.).
5. Checking process control timers.
6. Measuring rate of flow.
7. Measuring reaction time (psychology).
8. Measuring viscosity.
9. Measuring welding time and checking weld controls.
10. Checking thermostats.
11. Indicating chemical quantities on mass spectrometer.
12. Measuring rate of radiation in fission products (in conjunction with Geiger Mueller counters).
13. Checking speed of trains and automobiles.
14. Checking operating time of moving equipment, (bomb bay doors, elevator).
15. Testing "tackiness" of paint, glues and adhesives.
16. Measuring operation time in hospitals.
17. Program work on radio and motion pictures.
18. Testing braking time (rotating and linear motion).
19. Testing fluorescent light starters.
20. Testing roughness of paper.
21. Registering various quantities that are proportional to time.
22. General timing around research laboratory.
23. Checking operating time of photo printing equipment.

Model Usually Used

Model Usually Used	
ALL MODELS	
S-1	
S-1	
SPECIAL RACE TIMER 3 HAND S-1	
ALL MODELS	
S-10 OR S-6	
S-1 OR S-10	
S-10	
AC-1, S-1, MST	
S-1	
S-10	
ALL MODELS	
S-1	
ALL MODELS	
S-1	
SS-60	
S-60, TIME LEFT	
S-1	
S-1	
S-60	
ALL MODELS	
ALL MODELS	
S-1	

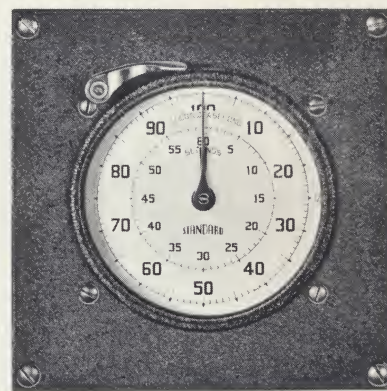


Figure 28

DETAILS FOR PANEL MOUNTING

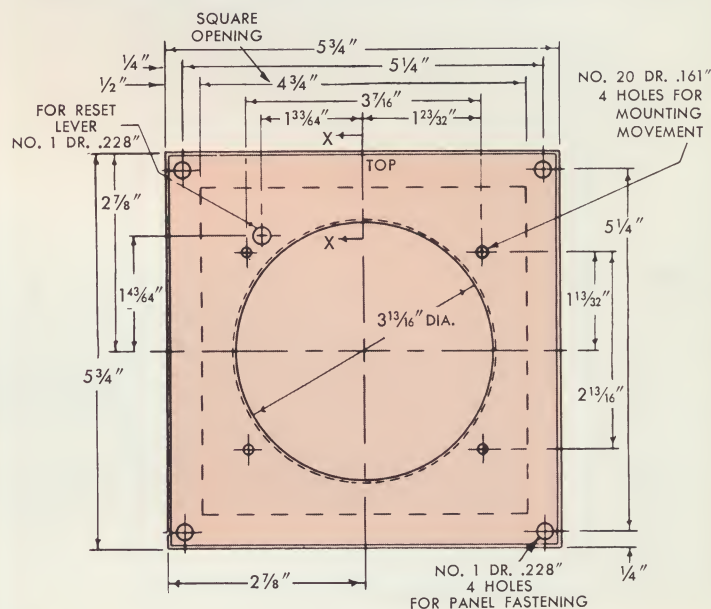


Figure 29

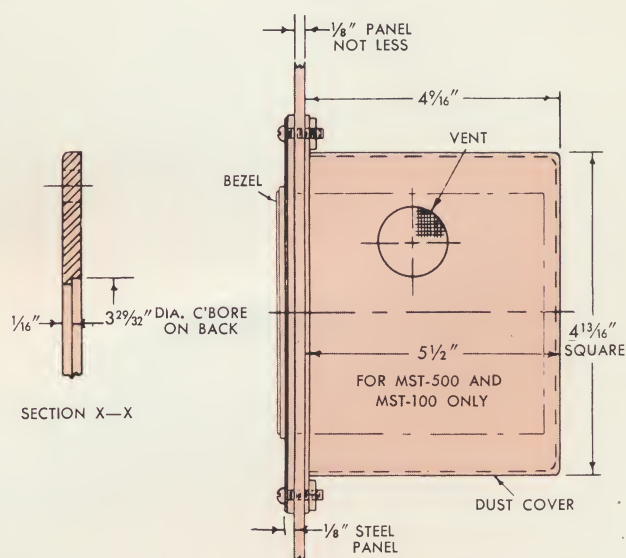


Figure 30

**WHEN ORDERING PLEASE SPECIFY
PORTABLE OR PANEL MOUNTING**

10" TIMERS FOR WALL AND PANEL MOUNTING

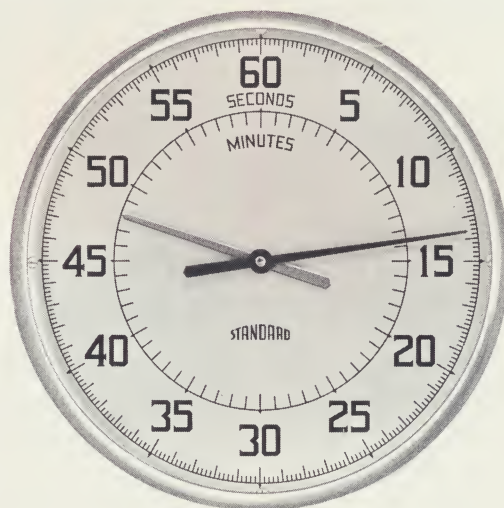
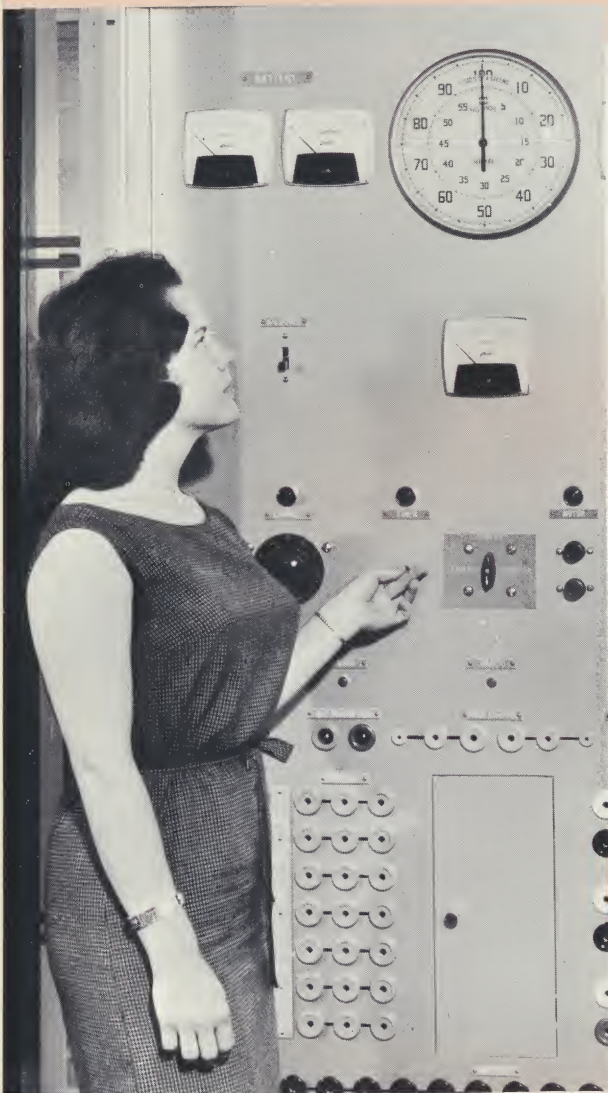


Figure 31

FLUSH WALL MOUNTED With Control Station

10" MODELS	SIMILAR TO	ACCURACY PER OPERATION	SPEED (Fast Hand)	TOTALIZES
SS-60	S-60	.1 sec.	1 RPM	60 min.
SW-60	SM-60	.002 min.	1 RPM	60 min.
SS-10	S-10	.02 sec.	1 Rev. per 10 sec.	1000 sec.
SW-1	S-1	.01 sec. with a-c clutch .005 sec. with d-c clutch	1 RPS	60 sec.

NOTES: (a) Options 1, 2, 3, 4 apply to all models.
(b) Approx. shipping weight 17 lbs. each.

10" Timers for wall or panel mounting are offered in the models listed in the table above. Mounting details are shown on the next page.

The same general specifications as apply to timers shown on previous pages apply here except for dial size and cases. Dials of 10" timers are finished in satin aluminum only, and all models of 10" timers include electric reset as standard equipment.

They can be furnished for several methods of mounting as shown on the next page. The type of mounting must be specified when ordering.

Figure 34 shows the timer built for hanging on a wall screw. It is provided with a 10 foot flexible cord and attachment plug for connecting to the a-c power supply, also a 15 foot control cord having a start, stop

and reset pendant switch on the end, similar to figure 1. When supplied for Surface Mounting, 10" timer cases are finished in black, baked-on wrinkled lacquer.

Figure 35 shows the same type of timer for mounting on a 4" standard outlet box in the wall. Wires to be led to a control panel or station which may be located at any convenient place.

Two types of control stations as described may be furnished for this latter type, at extra cost.

The flush type may be mounted in a wall or panel as illustrated by figures 36, 37, 38 and 39.

IMPORTANT: when ordering this timer for flush wall mounting, specify so on order. A special back box and adapter plate are supplied with timer when so ordered.

DETAILS FOR WALL MOUNTING

All four models of 10" timers listed on page 14 can be ordered for mounting in either of the four methods below. When ordering, be sure to specify type of mounting. For Surface Mounting, figure 35, outlet boxes for timer and

control station are supplied by customer. When ordered for Flush Mounting, figure 36, special box for timer is supplied by Standard, box for control station is supplied by customer.

CONTROL STATIONS

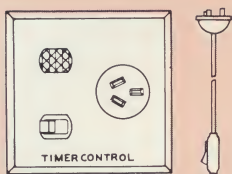


Figure 32

LIST No. LTC-10

Consists of: Motor switch and pilot light, also 3-pole receptacle (all on 2-gang plate); 8' cord with start, stop and reset pendant switch.

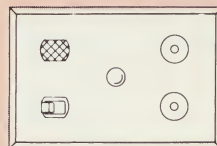


Figure 33

LIST No. LTC-12

Consists of: Motor switch and pilot light; binding posts for automatic start—stop control; momentary contact reset switch (all on 3-gang plate).

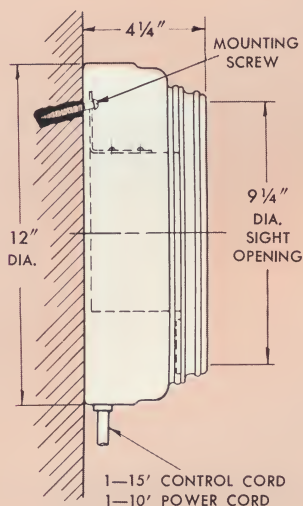


Figure 34

SURFACE MOUNTED

With External Power
And Control Cords

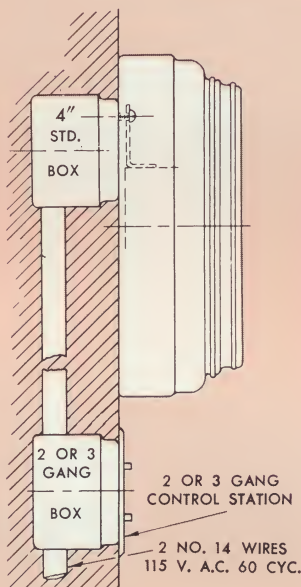


Figure 35

SURFACE MOUNTED

With Control Station

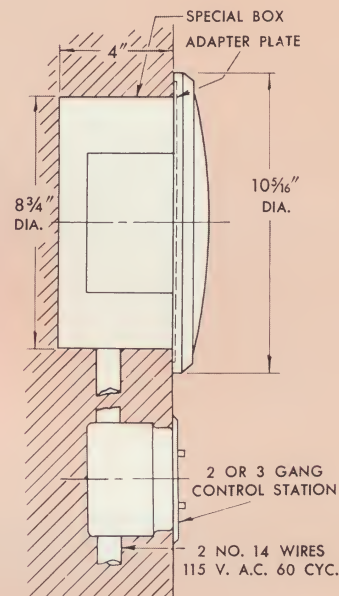


Figure 36

FLUSH WALL MOUNTED

With Control Station
(See Note Under Figure 31, Page 14)

DETAILS FOR PANEL MOUNTING

10" timers for panel mounting must be so ordered. Details below indicate panel opening dimensions and location of holes for mounting screws.

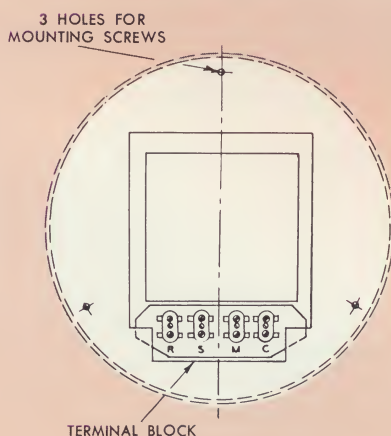


Figure 37

BACK PLATE

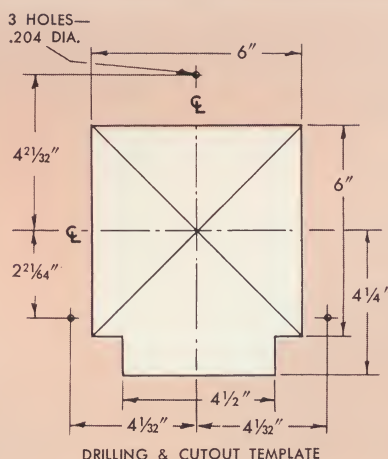


Figure 38

DRILLING AND CUTOUT TEMPLATE

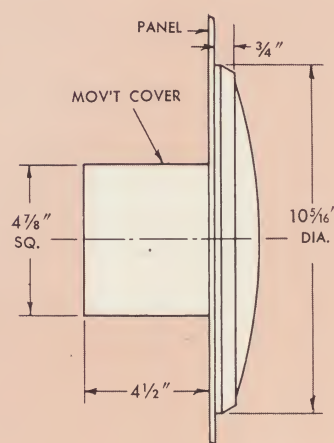


Figure 39

SIDE ELEVATION

COIL DATA

FOR CLUTCH, RESET AND MOTOR WINDINGS

VOLTAGE	WIRE GAUGE NO. STAMPED ON COIL	NO. OF TURNS	IMPEDANCE OHMS	d-c RESISTANCE OHMS	CURRENT MILLIAMPERES
a-c CLUTCH COILS					
6V 60 cycle	25	584	19.6	3.1	306
24V 60 cycle	30	1550	112.0	30.6	214
115V 60 cycle	37	7400	3500.0	680.0	33
220V 60 cycle	39	12000	10600.0	1770.0	20
115V 25 cycle	38	10260	3200.0	1520.0	36

VOLTAGE	WIRE GAUGE NO. STAMPED ON COIL	NO. OF TURNS	IMPEDANCE OHMS	d-c RESISTANCE OHMS	CURRENT MILLIAMPERES
d-c CLUTCH COILS					
6	28	1152		12.4	485
12	30	1550		30.6	392
24	34	3700		187.0	128
48	36	5900		438.0	109
110	37	12000		1770.0	62
140	40	18000		3600.0	40

VOLTAGE	WIRE GAUGE NO. STAMPED ON COIL	NO. OF TURNS	IMPEDANCE OHMS	d-c RESISTANCE OHMS	CURRENT AMPERES
a-c RESET COILS					
115V 60 cycle	29	4600		98.0	1.3 inrush .415 steady

VOLTAGE	WIRE GAUGE NO. STAMPED ON COIL	NO. OF TURNS	IMPEDANCE OHMS	d-c RESISTANCE OHMS	CURRENT AMPERES
d-c RESET COILS					
48V d-c	29	4600		98.0	.489
110V d-c	32	8000		325.0	.340

MOTOR COILS

- (a) **FOR S-100, SM-60,
S-60 TIMERS**
Telechron B-3, 1 RPM, 115V 60 cycle,
4 watts, 40% P.F.
- (b) **FOR S-10 TIMER**
Telechron B3, 6 RPM, 115V 60 cycle,
4 watts, 40% P.F.
- (c) **FOR S-6, S-1 TIMERS**
GE SMY, 100 RPM, ball bearing, 115V
60 cycle, 3.5 watts, 100% P.F.

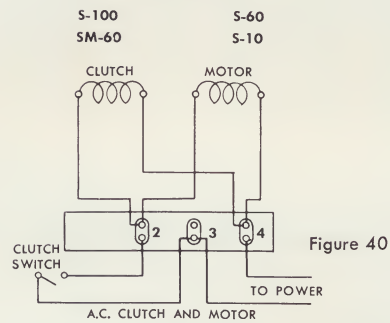
- (d) **FOR MST-500 TIMER**
Howard—60 RPM,
13.5 watts, 90% P.F.
- (e) **FOR MST-100 TIMER**
Howard, 115V 60 cycle, 600 RPM,
13.5 watts, 90% P.F.

WIRING DIAGRAMS FOR MANUAL RESET TIMERS

The wiring diagrams below are for timers with MANUAL RESET and applicable to the models as listed with each diagram.

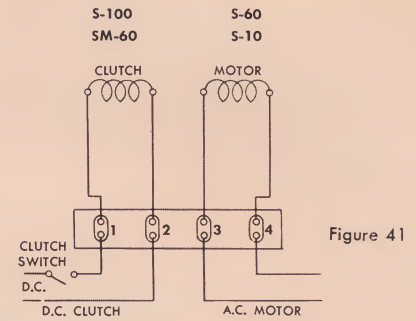
AC CLUTCH

Diagram WD-7874-B



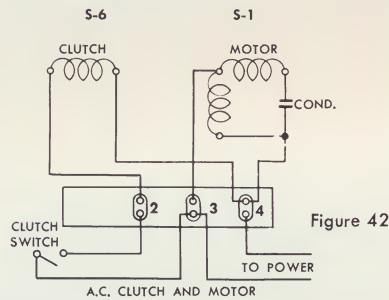
DC CLUTCH

Diagram WD-10533-B



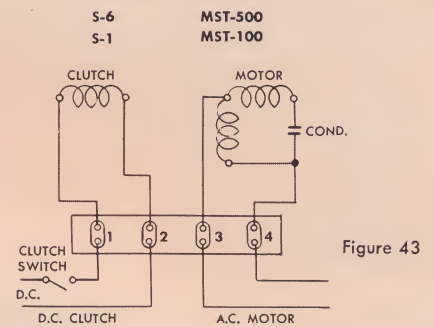
AC CLUTCH

Diagram WD-7742-B



DC CLUTCH

Diagram WD-7831-B

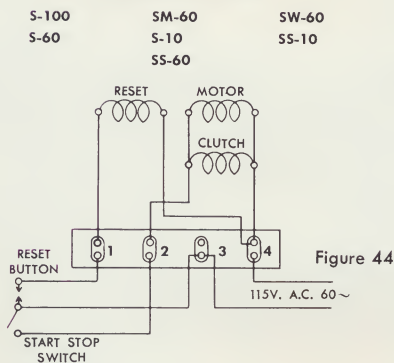


WIRING DIAGRAMS FOR ELECTRIC RESET TIMERS

The wiring diagrams below are for timers with ELECTRIC RESET and applicable to the models as listed with each diagram.

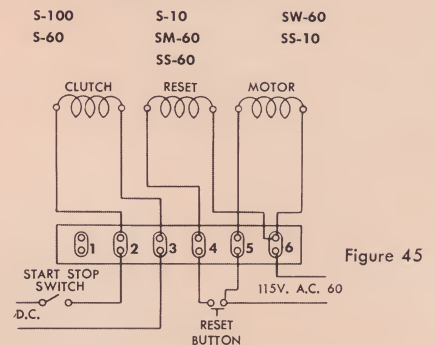
AC CLUTCH

Diagram WD-7703-B



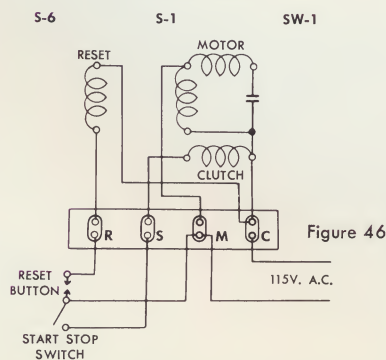
DC CLUTCH

Diagram WD-10534-B



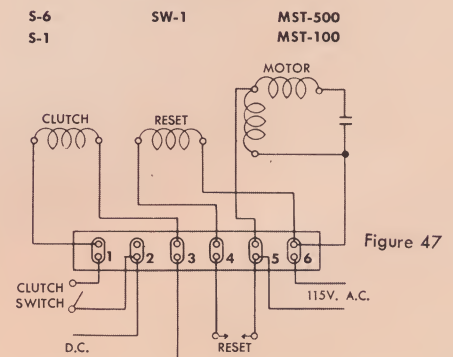
AC CLUTCH

Diagram WD-7971-B



DC CLUTCH

Diagram WD-8135-B



CUSTOMIZED APPLICATIONS

Standard precision timers are frequently installed as a part of test panels, calibration stands and other specialized applications. This equipment is fabricated in our own plant and is carefully engineered to fit each customer's need. Information applicable to special conditions will be gladly furnished on request.

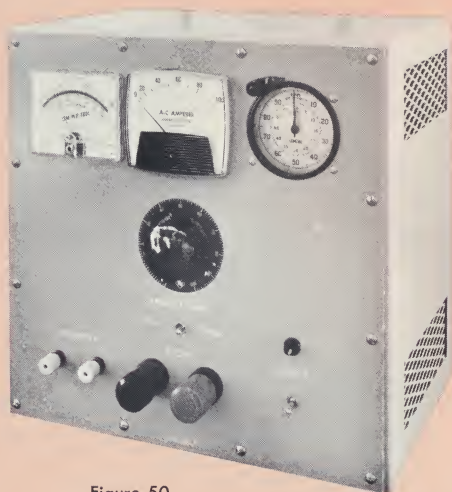
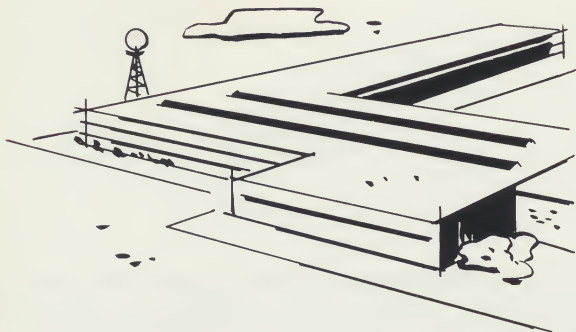


Figure 50

GENERAL ELECTRIC CO.
PLAINVILLE, CONN.

Circuit breaker calibration unit.



Figure 48

BERGEN MACHINE & TOOL CO.
NUTLEY, N. J.

Special timer calibrated in pallets per hour for use in the making of bricks.



Figure 49

FARREL-BIRMINGHAM
DERBY, CONN.

Specially developed timer with pins that can be positioned to actuate audible signals, thus assuring proper manual operation of Banbury[®] mixer.

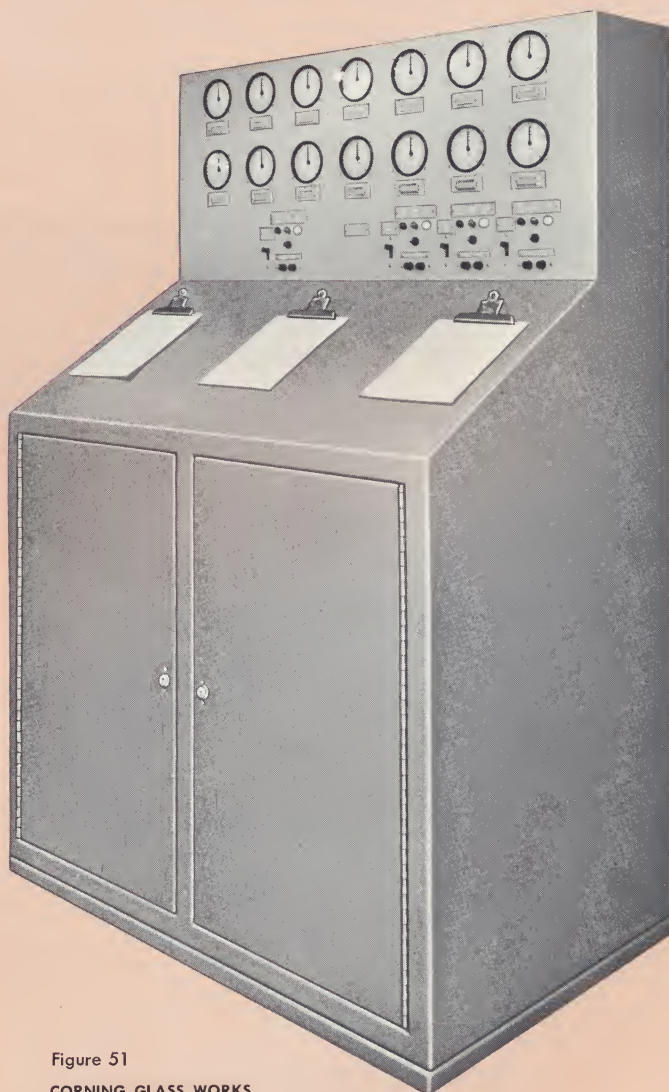


Figure 51

CORNING GLASS WORKS
CORNING, N. Y.

Process timer used in the manufacture of television picture tubes.



Figure 52

LINDE AIR PRODUCTS
TONAWANDA, N. Y.

Pulse start and pulse stop timer.

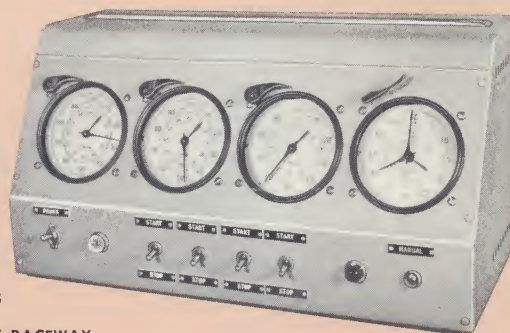


Figure 53

SANTA FE RACEWAY
WILLOW SPRINGS, ILL.

High precision timer for clocking
first, second and third place in
automobile racing.



Figure 54

EASTMAN KODAK CO.
ROCHESTER, N. Y.

Unit developed for the precise
measurement of printing time in
color photography.

Figure 55

BAIRD ATOMIC, INC.
CAMBRIDGE, MASS.

Timer incorporated in a direct
reading spectrometer to indicate per
cent concentration of elements in
sample.

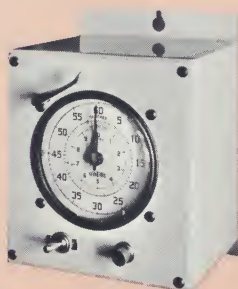


Figure 56

NAVAL SHIPYARD
PORTSMOUTH, N. H.

Used for precise control of
submarine torpedo firing and
missile guidance operations.

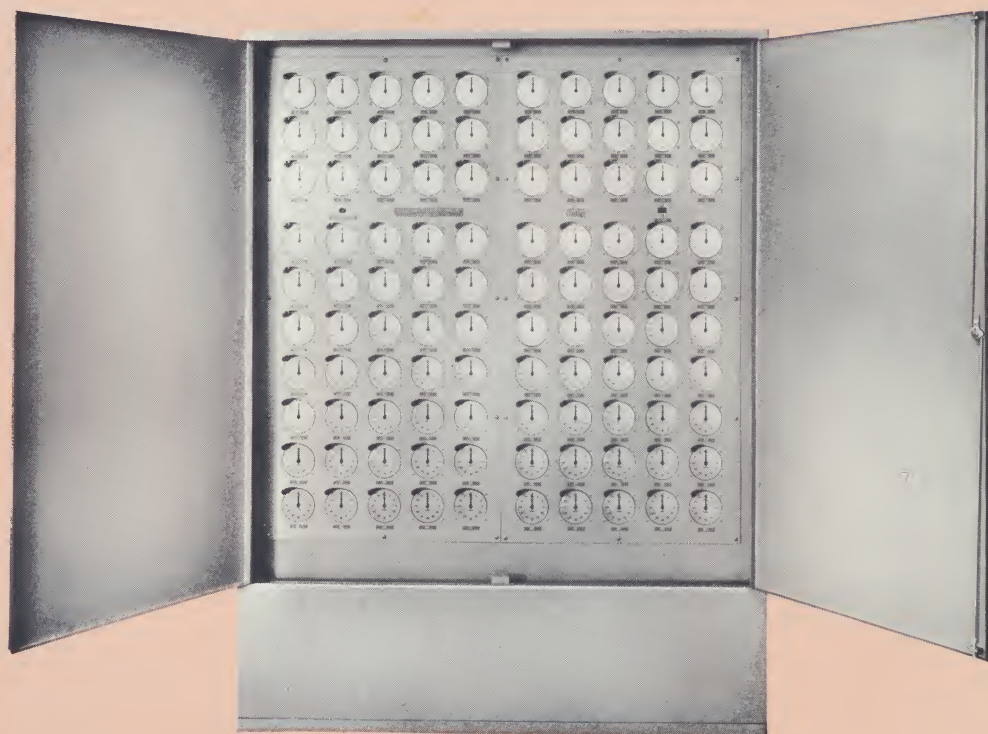


Figure 57

BUREAU OF FIRE PREVENTION
LOS ANGELES, CALIF.

Built for "Operation School Burning
No. 2"—thermal detectors actuate
timers indicating speed that fire would
travel through a burning building.